



EAST-WEST GATEWAY COORDINATING COUNCIL

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MEMO TO: ENVIRONMENTAL TASK FORCE

FROM: SARA ROSCOE WILSON

SUBJECT: METRO-EAST REGIONAL WASTEWATER TREATMENT FACILITY, MADISON AND ST. CLAIR COUNTIES, ILLINOIS

DATE: AUGUST 28, 1973

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The technical staff comments and the memo from the Southwestern Illinois Metropolitan Area Planning Commission (SIMAPC) provide a thorough summary of the project, background information and comments on the relationship of the proposal to areawide plans. These reports are attached for your information.

This project is of particular significance in that it is one of the first sewer proposals in the region to attempt a truly "areawide" approach to sewage treatment problems.

The project involves the construction of a major secondary treatment facility to treat effluent from four primary facilities stretching across two county areas in Illinois.

Each of the four primary plants is presently unable to meet water quality standards for effluent discharge. The proposed central treatment facility will provide the treatment necessary to bring the effluent discharge from the plants up to acceptable standards.

The environmental assessment presented for your review is an amended copy of the report originally submitted. In a preliminary staff review the applicant was requested to provide the following information:

1. Alternatives
2. Summary of characteristics of existing facilities

CER 087879

THE SAINT LOUIS AREA COUNCIL OF GOVERNMENTS

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3. Discussion of any special problems -- e.g. industrial wastes -- high dissolved solids level
4. Population projections for Sauget
5. Why primary sludge from Sauget plant will not be handled by Regional facility.
6. Why Sauget Plant will handle all storm water overflow in excess of 11.5 mgd
7. Will industrial effluent be handled at source for both East St. Louis and Sauget areas? To what extent?

The amended assessment includes discussion of these issues.

Storm water

In addition to upgrading the quality of effluent discharged, the regional facility will provide secondary treatment for storm water flows.

During the recent spring floods effluent was discharged into the East Side Levee and Sanitary District system without treatment. Modifications to the existing primary facilities in the proposed regional system would be made to prevent discharge of untreated sewage. The effluent including storm water will be treated up to 10 times the daily flow before discharge to the secondary facility or to the river when necessary.

Sludge

The primary sludge from all plants except Sauget will be combined with the sludge from the secondary facility, treated to make it inert and steril and deposited in an on-site landfill. Because of the metal hydroxides in the Sauget sludge, it will not be placed in the floodplain landfill.

The Task force has in the past, questioned the wisdom of creating landfills in floodplain areas. Perhaps more discussion and examination of alternative disposal methods is warranted.

Special Problems

The total dissolved solids levels in both East St. Louis and Sauget presently exceed allowable amounts. The applicant indicates that municipal ordinances will be enacted requiring industrial wastes to be treated at their sources to insure that Illinois effluent discharge standards will be met.

CER 087880

Suggested Task Force Recommendations

That the project receive the endorsement of the Board of Directors since the environmental assessment contains sufficient pertinent data for review and because the overall environmental impact of the proposal appears to be positive.

However, it is recommended that this endorsement be contingent upon the enactment of local ordinances necessary to insure that industrial wastes will receive "at source" treatment prior to discharge into the regional system.

SRW/em

CER 087881